

## WEST Search History

**[ Hide Items ] [ Restore ] [ Clear ] [ Cancel ]**

DATE: Thursday, December 15, 2005

**Hide? Set Name Query Hit Count**

*DB=PGPB,USPT; PLUR=YES; OP=ADJ*

<input type="checkbox"/>	L8	L5 and (plastid or chloroplast) [clm]	25
<input type="checkbox"/>	L7	L6 and (plastid or chloroplast) [clm]	19
<input type="checkbox"/>	L6	L5 and homologous recombination	185
<input type="checkbox"/>	L5	L4 and (lox or cre or flp or frt)	236
<input type="checkbox"/>	L4	L3 and transgenic	757
<input type="checkbox"/>	L3	L2 and excis\$	991
<input type="checkbox"/>	L2	L1 and site specific	1690
<input type="checkbox"/>	L1	plastid or chloroplast	7509

END OF SEARCH HISTORY

## Connecting via Winsock to STN

Welcome to STN International! Enter x:x

LOGINID: ssspta1649axm

**PASSWORD :**

TERMINAL (ENTER 1, 2, 3, OR ?):2

Enter NEWS followed by the item number or name to see news on that specific topic.

All use of STN is subject to the provisions of the STN Customer agreement. Please note that this agreement limits use to scientific research. Use for software development or design or implementation of commercial gateways or other similar uses is prohibited and may result in loss of user privileges and other penalties.

FILE 'HOME' ENTERED AT 17:35:17 ON 15 DEC 2005

=> file agricola caplus biosis  
COST IN U.S. DOLLARS

FULL ESTIMATED COST

ENTRY      SESSION  
0.21      0.21

FILE 'AGRICOLA' ENTERED AT 17:35:23 ON 15 DEC 2005

FILE 'CAPLUS' ENTERED AT 17:35:23 ON 15 DEC 2005  
USE IS SUBJECT TO THE TERMS OF YOUR STN CUSTOMER AGREEMENT.  
PLEASE SEE "HELP USAGETERMS" FOR DETAILS.  
COPYRIGHT (C) 2005 AMERICAN CHEMICAL SOCIETY (ACS)

FILE 'BIOSIS' ENTERED AT 17:35:23 ON 15 DEC 2005  
Copyright (c) 2005 The Thomson Corporation

=> s plastid or chloroplast  
L1        83130 PLASTID OR CHLOROPLAST

=> s l1 and site specific  
L2        266 L1 AND SITE SPECIFIC

=> s l2 and transgenic  
L3        48 L2 AND TRANSGENIC

=> dup rem l3  
PROCESSING COMPLETED FOR L3  
L4        35 DUP REM L3 (13 DUPLICATES REMOVED)

=> d 1-10 ti

L4    ANSWER 1 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Unidirectional site-specific integration system for  
      integrating a nucleic acid into the genome of a target cell

L4    ANSWER 2 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Phage phiC31 integrase: a new tool in plastid genome engineering

L4    ANSWER 3 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Removal of heterologous sequences, such as selectable marker genes, from  
      plastid genome by transiently expressed site-  
      specific recombinases in higher plants

L4    ANSWER 4 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Plant transformation with in vivo assembly of a sequence of interest

L4    ANSWER 5 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Method of controlling cellular process in plants by externally applied  
      signal

L4    ANSWER 6 OF 35 AGRICOLA Compiled and distributed by the National  
      Agricultural Library of the Department of Agriculture of the United States  
      of America. It contains copyrighted materials. All rights reserved.  
      (2005) on STN  
TI    A novel approach to plastid transformation utilizes the phiC31  
      phage integrase.

L4    ANSWER 7 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Selection of transgenic organisms by selecting for loss of a  
      growth inhibiting marker gene

L4    ANSWER 8 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Method for the transformation of vegetable plastids

L4    ANSWER 9 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI    Stable transformation of plants by integration of transforming DNA into  
      the plastid genome by homing nuclease-mediated homologous

recombination

- L4 ANSWER 10 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI High level expression of immunogenic proteins in the plastids of higher plants and use thereof

=> d 11-20 ti

- L4 ANSWER 11 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN

TI Identification of functional lox sites in the plastid genome.

- L4 ANSWER 12 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 1  
TI Expression of the B subunit of *E. coli* heat-labile enterotoxin in the chloroplasts of plants and its characterization

- L4 ANSWER 13 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 2

TI Marker-free transgenic plants.

- L4 ANSWER 14 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 3  
TI Chloroplast Transformation in Oilseed Rape

- L4 ANSWER 15 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Antibiotic resistance genes in transgenic plants: their origins, undesirability and technologies for their elimination from genetically modified crops

- L4 ANSWER 16 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN

TI The plastid clpP1 protease gene is essential for plant development.

- L4 ANSWER 17 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Methods of enhancing and optimizing expression of exogenes in transgenic plants

- L4 ANSWER 18 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Construction of bicistronic-transgene expression vectors containing internal ribosome entry site (IRES) regulated selectable marker for transgenic plants

- L4 ANSWER 19 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN DUPLICATE 4

TI Analysis of chloroplast transformed tobacco plants with cry1Ia5 under rice psbA transcriptional elements reveal high level expression of Bt toxin without imposing yield penalty and stable inheritance of transplastome.

- L4 ANSWER 20 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Site-specific integration of insect-resistant gene into chloroplast genome of oilseed rape and acquisition of transgenic plants

=> d 21-30 ti

- L4 ANSWER 21 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5  
TI Positive, negative and marker-free strategies for transgenic plant selection
- L4 ANSWER 22 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Excision of selection marker gene in transgenic plant for reducing health and environment risk
- L4 ANSWER 23 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Inducible site-specific recombination for the activation and removal of transgenes in transgenic plants
- L4 ANSWER 24 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Site-specific recombination system to manipulate the plastid genome of higher plants
- L4 ANSWER 25 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Removal of antibiotic resistance genes from transgenic tobacco plastids. [Erratum to document cited in CA135:14859]
- L4 ANSWER 26 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 6  
TI Efficient elimination of selectable marker genes from the plastid genome by the CRE-lox site-specific recombination system.
- L4 ANSWER 27 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 7  
TI Edited transcripts compete with unedited mRNAs for trans-acting editing factors in higher plant chloroplasts
- L4 ANSWER 28 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Removal of antibiotic resistance genes from transgenic tobacco plastids
- L4 ANSWER 29 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Green fluorescent protein expression constructs for use as a screenable marker for plant transformation
- L4 ANSWER 30 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 8  
TI A heterologous maize rpoB editing site is recognized by transgenic tobacco chloroplasts

=> d 31-35 ti

- L4 ANSWER 31 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN  
TI In vivo dissection of cis-acting determinants for plastid RNA editing.
- L4 ANSWER 32 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN  
TI Site-specific factor involved in the editing of the psbL mRNA in tobacco plastids.
- L4 ANSWER 33 OF 35 AGRICOLA Compiled and distributed by the National

- Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN
- TI Introduction of a heterologous editing site into the tobacco plastid genome: the lack of RNA editing leads to a mutant phenotype.
- L4 ANSWER 34 OF 35 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Evidence for T-DNA mediated gene targeting to tobacco chloroplasts
- L4 ANSWER 35 OF 35 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 9
- TI GT-1 binding site confers light responsive expression in transgenic tobacco.
- => s 11 and recombinase  
L5 21 L1 AND RECOMBINASE
- => dup rem 15  
PROCESSING COMPLETED FOR L5  
L6 15 DUP REM L5 (6 DUPLICATES REMOVED)
- => d 1-10 ti
- L6 ANSWER 1 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Removal of heterologous sequences, such as selectable marker genes, from plastid genome by transiently expressed site-specific recombinases in higher plants
- L6 ANSWER 2 OF 15 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 1
- TI A novel approach to plastid transformation utilizes the phiC31 phage integrase.
- L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Plastid transformation in higher plants.
- L6 ANSWER 4 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2  
TI Generation of marker-free plastid transformants using a transiently cointegrated selection gene
- L6 ANSWER 5 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Method for enhancing plant plastid transformation efficiency using prokaryotic recombinase gene recA
- L6 ANSWER 6 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Method for the transformation of vegetable plastids
- L6 ANSWER 7 OF 15 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 3
- TI Identification of functional lox sites in the plastid genome.
- L6 ANSWER 8 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Double D-loop formation in duplex nucleic acid with recombinase and modified oligonucleotides and applications
- L6 ANSWER 9 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Use of integrases to promote the insertion of foreign DNA into the plastid genome

L6 ANSWER 10 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Construction of bicistronic-transgene expression vectors containing internal ribosome entry site (IRES) regulated selectable marker for transgenic plants

=> d 3 ab

L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

AB Plastids of higher plants are semi-autonomous organelles with a small, highly polyploid genome and their own transcription-translation machinery. This review provides an overview of the technology for the genetic modification of the plastid genome including: vectors, marker genes and gene design, the use of gene knockouts and over-expression to probe plastid function and the application of site-specific recombinases for excision of target DNA. Examples for applications in basic science include the study of plastid gene transcription, mRNA editing, photosynthesis and evolution. Examples for biotechnological applications are incorporation of transgenes in the plastid genome for containment and high-level expression of recombinant proteins for pharmaceutical and industrial applications. Plastid transformation is routine only in tobacco. Progress in implementing the technology in other crops is discussed.

=> d 3 so

L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

SO Annual Review of Plant Biology, (2004) Vol. 55, pp. 289-313.  
CODEN: ARPBEX. ISSN: 1040-2519.

=> d 3 au

L6 ANSWER 3 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
AU Maliga, Pal [Reprint Author]

=> d 11-15 ti

L6 ANSWER 11 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Inducible site-specific recombination for the activation and removal of transgenes in transgenic plants

L6 ANSWER 12 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Site-specific recombination in plant cell plastids via transit peptide-recombinase fusion expression

L6 ANSWER 13 OF 15 CAPLUS COPYRIGHT 2005 ACS on STN

TI Site-specific recombination system to manipulate the plastid genome of higher plants

L6 ANSWER 14 OF 15 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN

TI Efficient elimination of selectable marker genes from the plastid genome by the CRE-lox site-specific recombination system.

L6 ANSWER 15 OF 15 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved. (2005) on STN

DUPPLICATE 4

TI The chloroplast-located homolog of bacterial DNA recombinase.

=> s ((maliga p?) or (maliga, p?))/au  
L7 438 ((MALIGA P?) OR (MALIGA, P?))/AU

=> s 17 and (chloroplast or plastide)  
L8 135 L7 AND (CHLOROPLAST OR PLASTIDE)

=> del 18 y

=> s 17 and (chloroplast or plastid)  
L8 269 L7 AND (CHLOROPLAST OR PLASTID)

=> s 18 and (site specific or recombinase)  
L9 26 L8 AND (SITE SPECIFIC OR RECOMBINASE)

=> dup rem 19  
PROCESSING COMPLETED FOR L9  
L10 12 DUP REM L9 (14 DUPLICATES REMOVED)

=> d 1-12 ti

L10 ANSWER 1 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Removal of heterologous sequences, such as selectable marker genes, from plastid genome by transiently expressed site-specific recombinases in higher plants

L10 ANSWER 2 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 1

TI A novel approach to plastid transformation utilizes the phiC31 phage integrase.

L10 ANSWER 3 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 2  
TI Plastid transformation in higher plants

L10 ANSWER 4 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN  
TI High level expression of immunogenic proteins in the plastids of higher plants and use thereof

L10 ANSWER 5 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 3

TI Identification of functional lox sites in the plastid genome.

L10 ANSWER 6 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 4

TI The plastid clpP1 protease gene is essential for plant development.

L10 ANSWER 7 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Use of integrases to promote the insertion of foreign DNA into the plastid genome

L10 ANSWER 8 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 5  
TI Engineering the plastid genome of higher plants

L10 ANSWER 9 OF 12 CAPLUS COPYRIGHT 2005 ACS on STN

TI Site-specific recombination system to manipulate the plastid genome of higher plants

L10 ANSWER 10 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 6

TI Efficient elimination of selectable marker genes from the plastid genome by the CRE-lox site-specific recombination system.

L10 ANSWER 11 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 7

TI Site-specific factor involved in the editing of the psbL mRNA in tobacco plastids.

L10 ANSWER 12 OF 12 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 8

TI Introduction of a heterologous editing site into the tobacco plastid genome: the lack of RNA editing leads to a mutant phenotype.

=> s ((corneille s?) or (corneille, s?))/au  
L11 23 ((CORNEILLE S?) OR (CORNEILLE, S?))/AU

=> s l11 and (plastid or chloroplast)  
L12 13 L11 AND (PLASTID OR CHOLOROPLAST)

=> dup rem l12  
PROCESSING COMPLETED FOR L12  
L13 6 DUP REM L12 (7 DUPLICATES REMOVED)

=> d 1-6 ti

L13 ANSWER 1 OF 6 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 1

TI A novel approach to plastid transformation utilizes the phiC31 phage integrase.

L13 ANSWER 2 OF 6 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 2

TI Identification of functional lox sites in the plastid genome.

L13 ANSWER 3 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Use of integrases to promote the insertion of foreign DNA into the plastid genome

L13 ANSWER 4 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Site-specific recombination system to manipulate the plastid genome of higher plants

L13 ANSWER 5 OF 6 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 3

TI Efficient elimination of selectable marker genes from the plastid genome by the CRE-lox site-specific recombination system.

L13 ANSWER 6 OF 6 CAPLUS COPYRIGHT 2005 ACS on STN DUPLICATE 4

TI Conservation of RNA editing between rice and maize plastids: are most editing events dispensable?

=> s l11 and (plastid or chloroplast)'  
MISMATCHED QUOTE 'LOROPLAST)''  
Quotation marks (or apostrophes) must be used in pairs,  
one before and one after the expression you are setting  
off or masking.

=> s l11 and (plastid or chloroplast)  
L14 18 L11 AND (PLASTID OR CHLOROPLAST)

=> dup rem l14  
PROCESSING COMPLETED FOR L14  
L15 10 DUP REM L14 (8 DUPLICATES REMOVED)

=> d 1-10 ti

L15 ANSWER 1 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 1

TI A novel approach to plastid transformation utilizes the phiC31 phage integrase.

L15 ANSWER 2 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 2

TI Identification of functional lox sites in the plastid genome.

L15 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Tobacco chloroplasts as a platform for vaccine production

L15 ANSWER 4 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Use of integrases to promote the insertion of foreign DNA into the plastid genome

L15 ANSWER 5 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Site-specific recombination system to manipulate the plastid genome of higher plants

L15 ANSWER 6 OF 10 BIOSIS COPYRIGHT (c) 2005 The Thomson Corporation on STN  
TI Chloroplasts for the production of recombinant proteins.

L15 ANSWER 7 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 3

TI Efficient elimination of selectable marker genes from the plastid genome by the CRE-lox site-specific recombination system.

L15 ANSWER 8 OF 10 AGRICOLA Compiled and distributed by the National Agricultural Library of the Department of Agriculture of the United States of America. It contains copyrighted materials. All rights reserved.  
(2005) on STN DUPLICATE 4

TI Conservation of RNA editing between rice and maize plastids: are most editing events dispensable?

L15 ANSWER 9 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Reduction of the plastoquinone pool by exogenous NADH and NADPH in higher plant chloroplasts. Characterization of a NAD(P)H-plastoquinone oxidoreductase activity

L15 ANSWER 10 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
TI Evidence for a migration of *ndh* genes from the chloroplast to the nucleus in black pine

=> d 3 ab

L15 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
AB A review on the advantages of producing vaccines by transgenic expression of foreign proteins in tobacco chloroplasts.

=> d 3 so

L15 ANSWER 3 OF 10 CAPLUS COPYRIGHT 2005 ACS on STN  
SO Plant Biotechnology 2002 and Beyond, Proceedings of the IAPTC&B Congress, 10th, Orlando, FL, United States, June 23-28, 2002 (2003), Meeting Date 2002, 397-400. Editor(s): Vasil, Indra K. Publisher: Kluwer Academic Publishers, Dordrecht, Neth.  
CODEN: 69DXJS; ISBN: 1-4020-1126-1